

FIG. 1

FIG. 2A

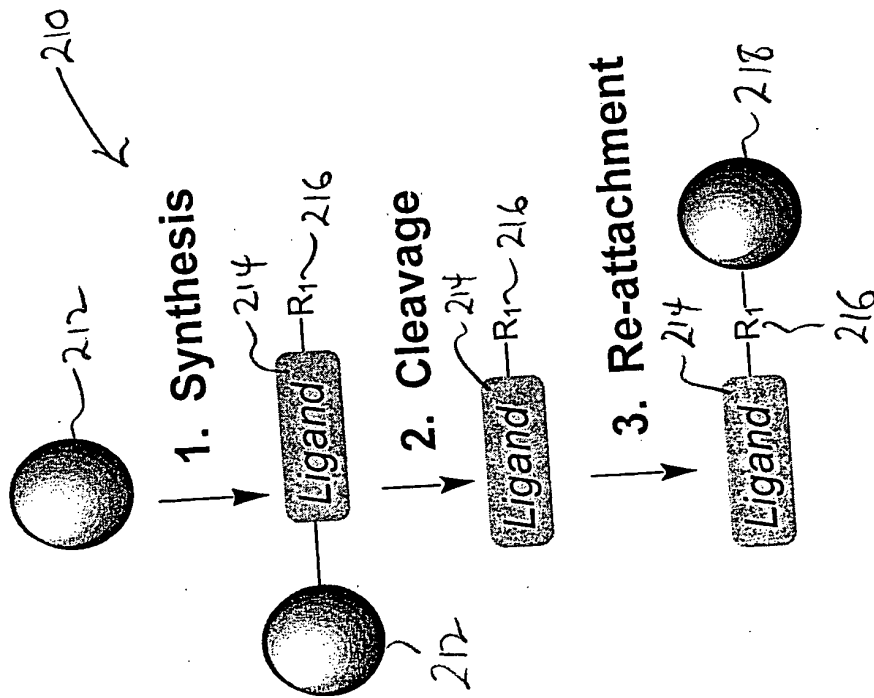


FIG. 2A

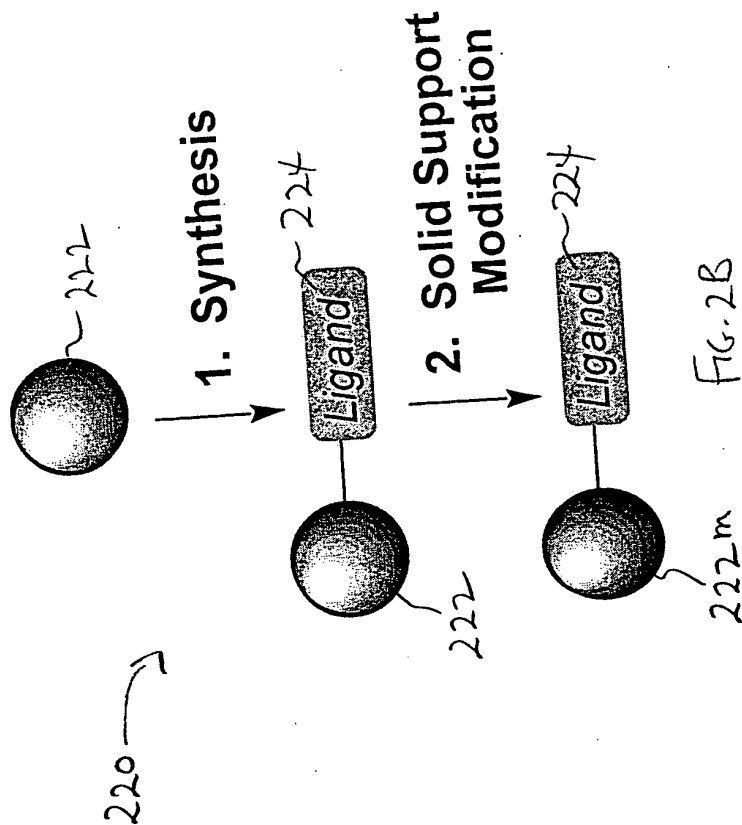


FIG. 2B

# ANIONIC RESINS

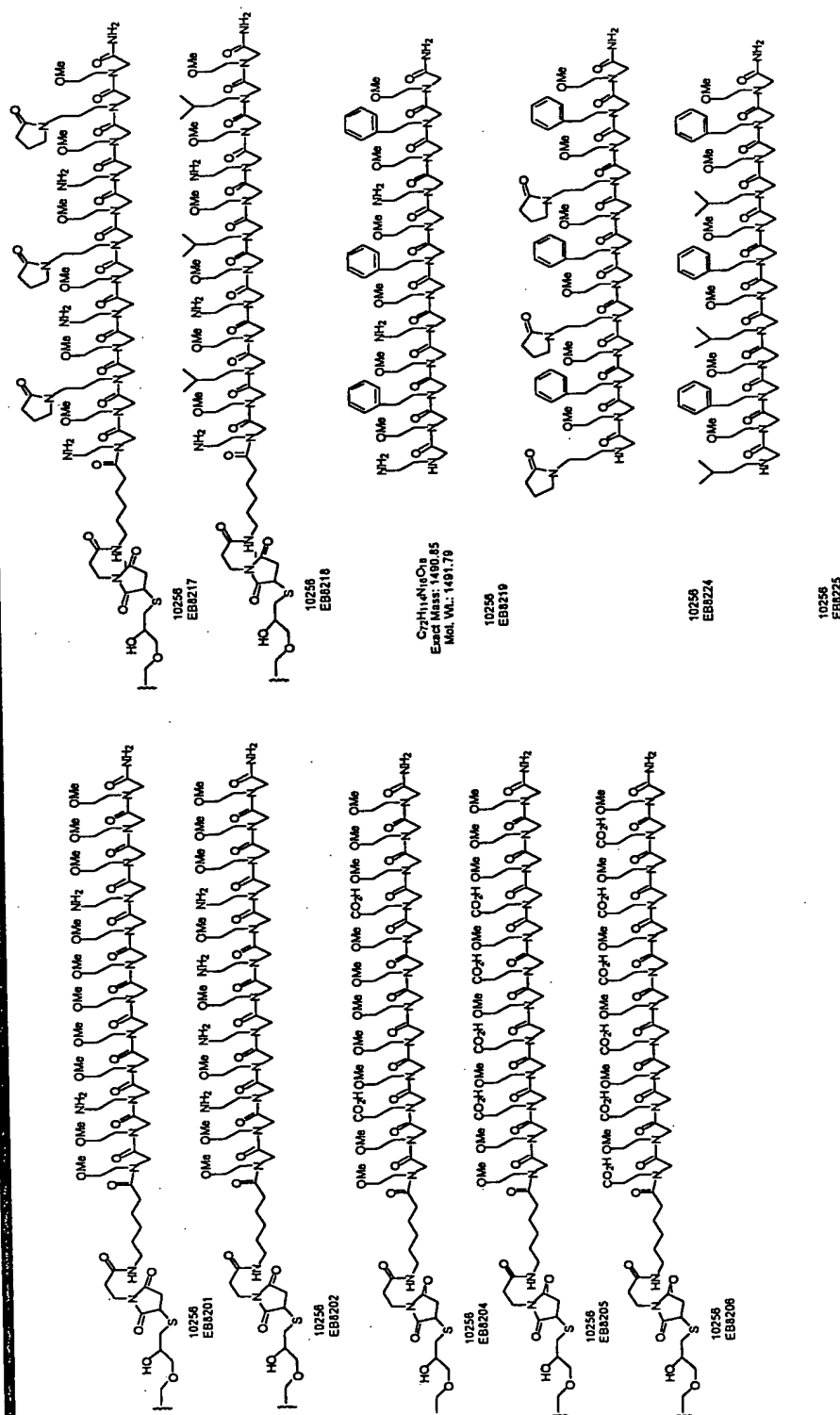


FIG. 3A

# HYDROPHOBIC RESINS

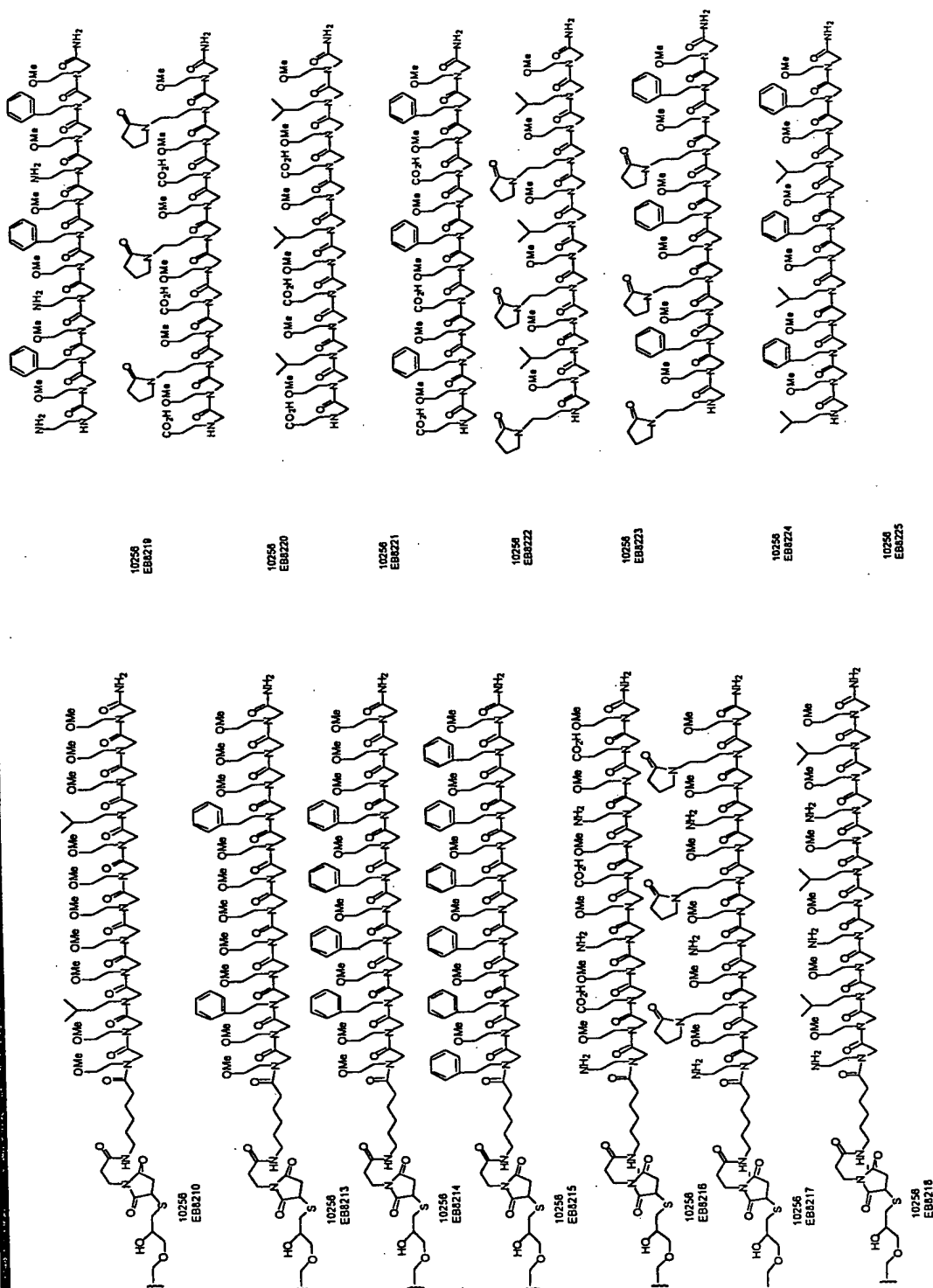


FIG. 3B

# CATIONIC RESINS

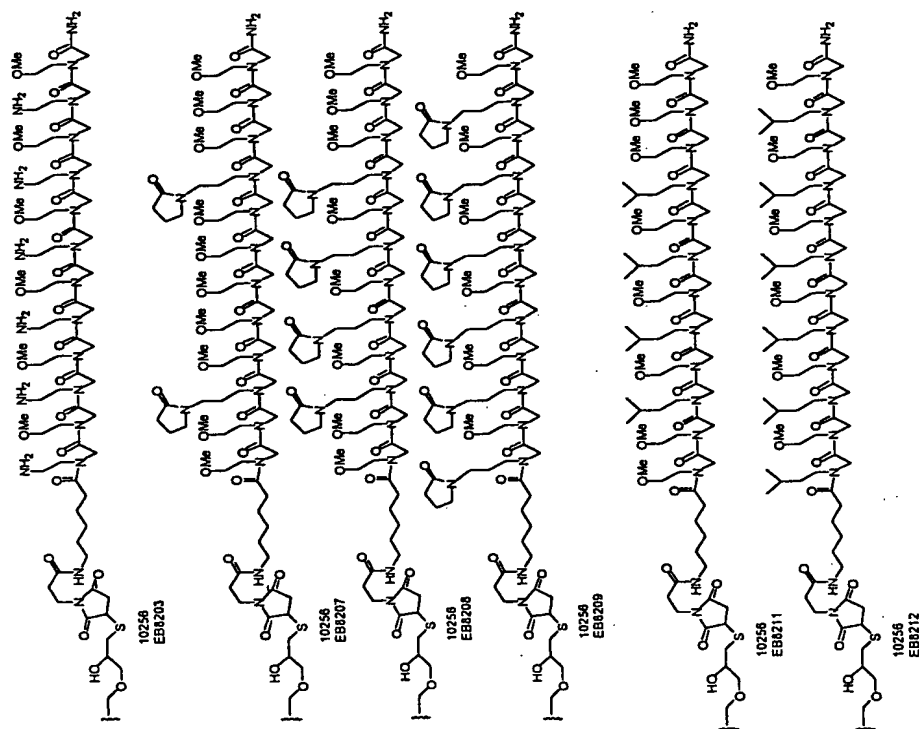


FIG. 3C

FIG. 4 is a schematic diagram of a system for screening a library of intermediate affinity hydrophilic supports.

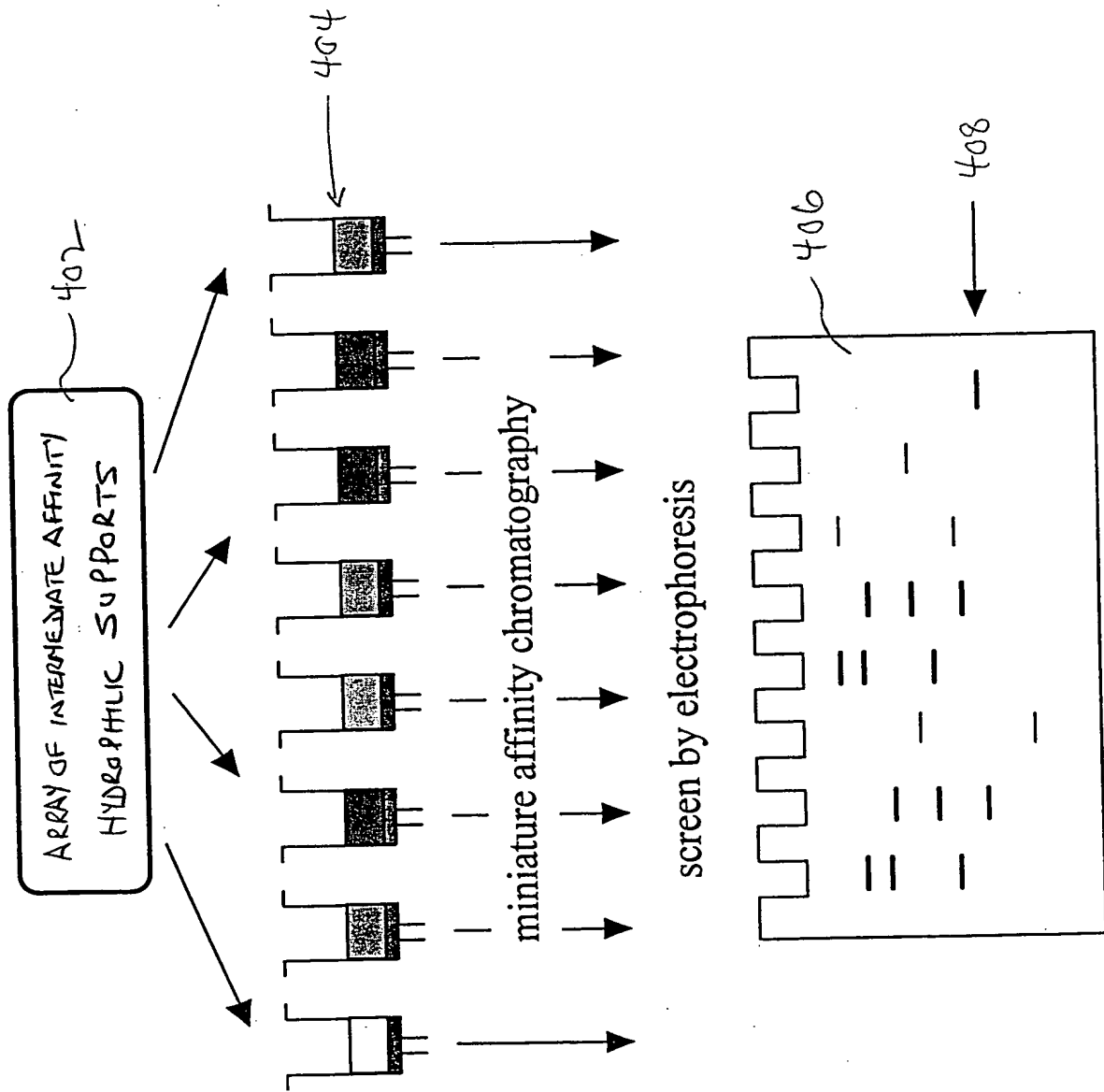
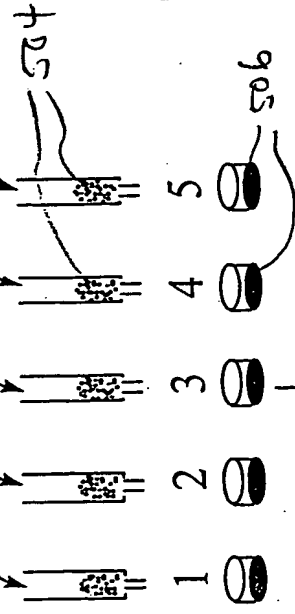


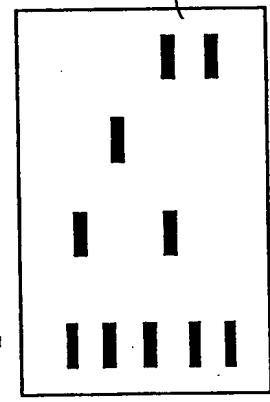
FIG. 4

~ 502

BIOLOGICAL SAMPLE

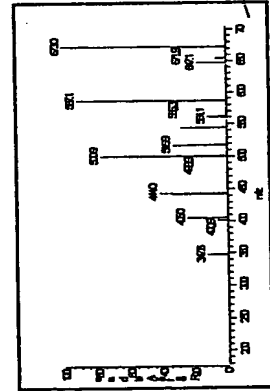


12 % poly-Acrylamide Gel



1. Protein Expression Pattern

MS, Bio-Informatics

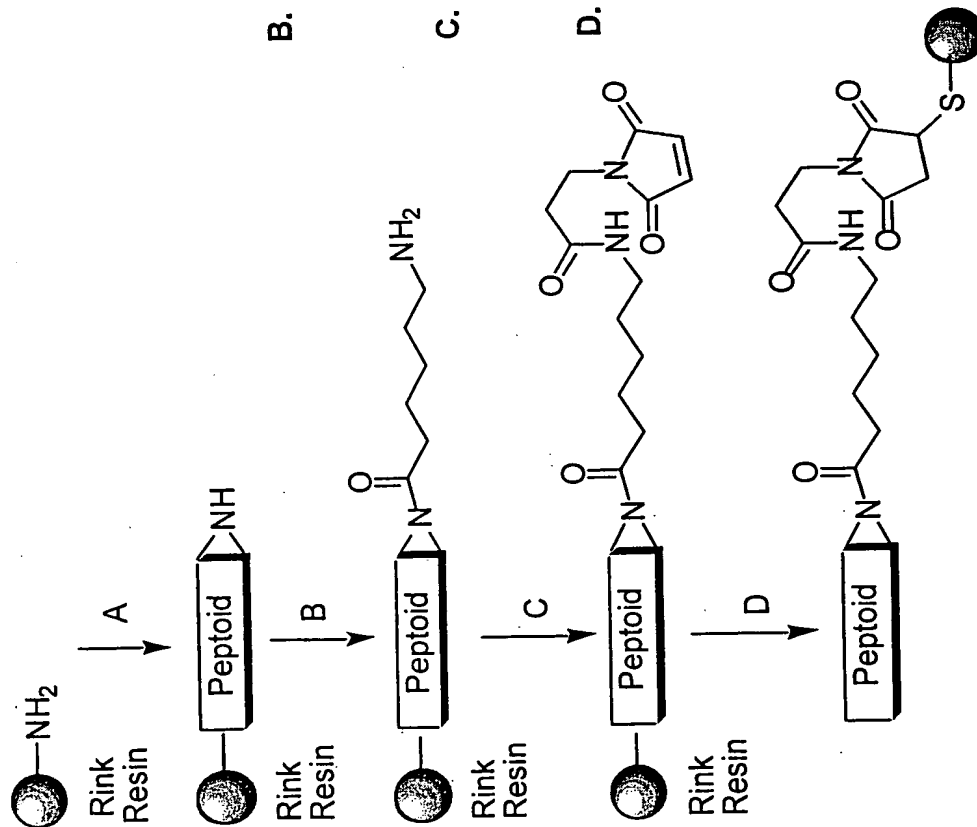


2. Protein Expression Level

3. Protein Identity

== Synthetic Ligand Display on Hydrophilic Solid Support

FIG. 5



Cross Linked  
Sephareose 4B

#### A. Peptoid Synthesis (~400 mg)

##### Acylation

- 4.25 ml 1.2 M Bromoacetic Acid/DMF
- 1.0 ml neat DIC
- 1 x 40 minutes @ 35°C

##### Displacement

- 4.25 ml of 1M Amine in NMP
- 1 x 40 minutes @ 35°C

#### B. Acylation-Deprotection

1. *N*-(Fmoc)-Aminohexanoic acid (0.4 M), HOBT (0.4M), DIC (0.44M), @ 35°C, 1 hr. Ninhydrin Test
2. 20 % Piperidine in DMF (10 min)

#### C. Acylation

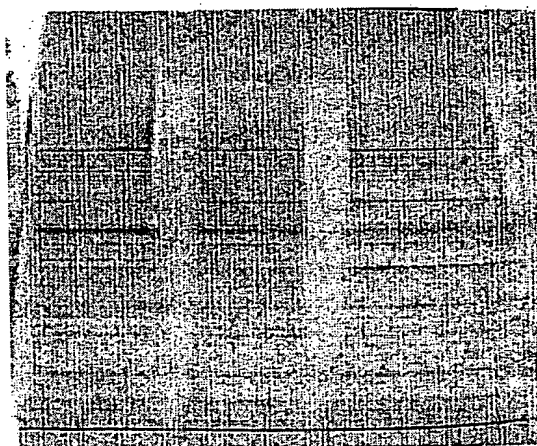
1. 3-Maleimidopropionyl-OSu Ester (0.2 M, 4 eq.) @ 35°C, 1 hr  
Ninhydrin Test

#### D. Cleavage-Purification-Addition

1. 20 % [v/v] TFA/CH<sub>2</sub>Cl<sub>2</sub>, 20 ml, 30 minute, Filtration.
2. Fast Evaporation using N<sub>2</sub>.
3. 100 % AcOH (4 mL) is added and Lyophilized.
4. 50 % [v/v] CH<sub>3</sub>CN in H<sub>2</sub>O (8 mL) is added and Lyophilized
5. 200 % Mol Peptoid-Maleimide over the molar amount of sulphydryl to be coupled. Monitoring with Ellman's reagent.

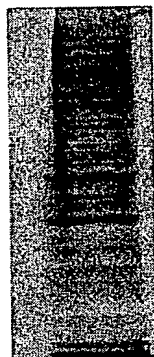
FIG. 6





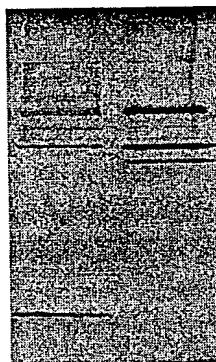
**Figure 7**

Whole Cell  
Lysate



100%

8224 8225



7% 11%

Figure 8

# Protein Differential Display

Proteomic differential display of Breast Cancer tissue:  
Low Metastatic Vs. High Metastatic

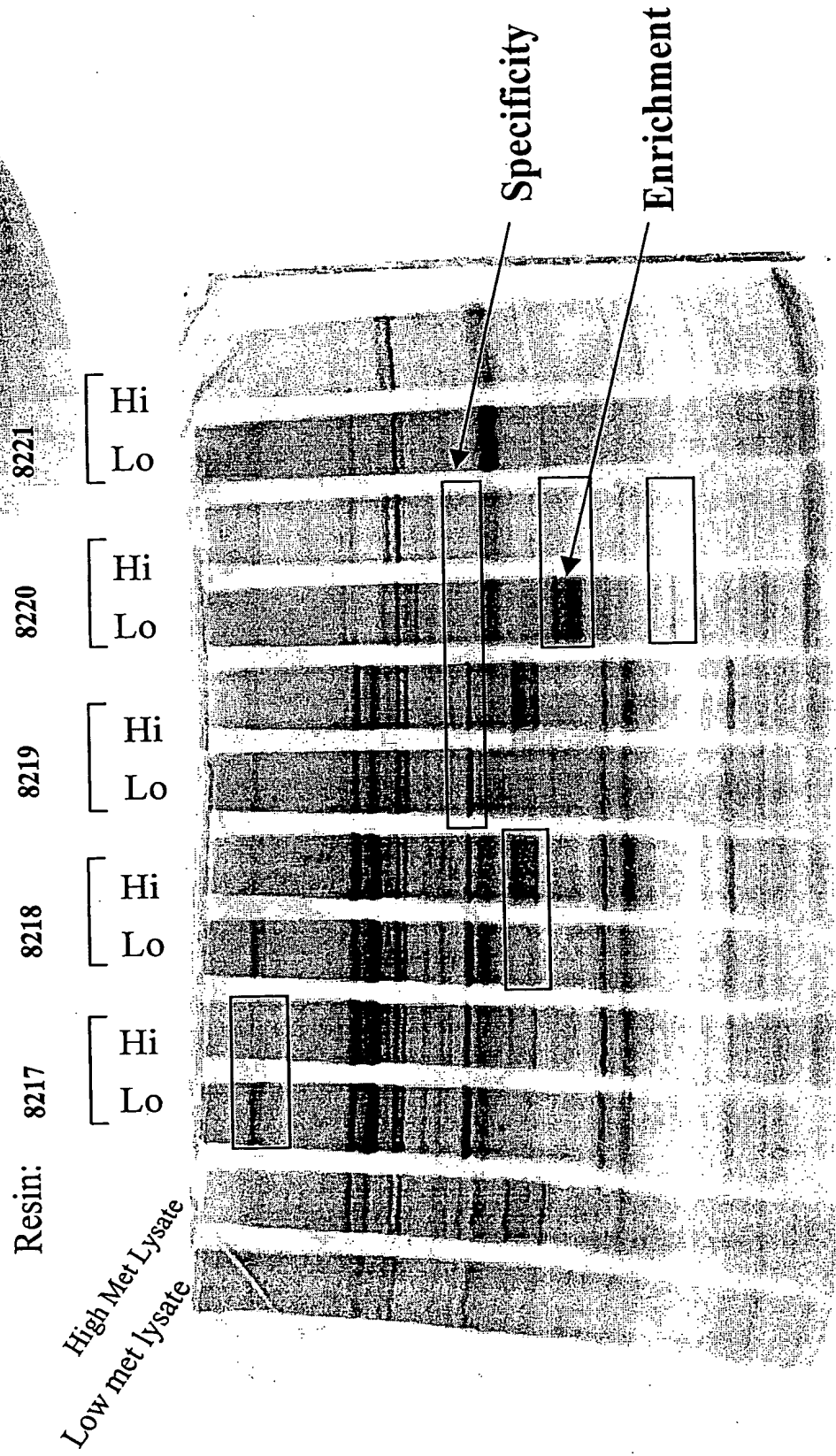


FIG. 9

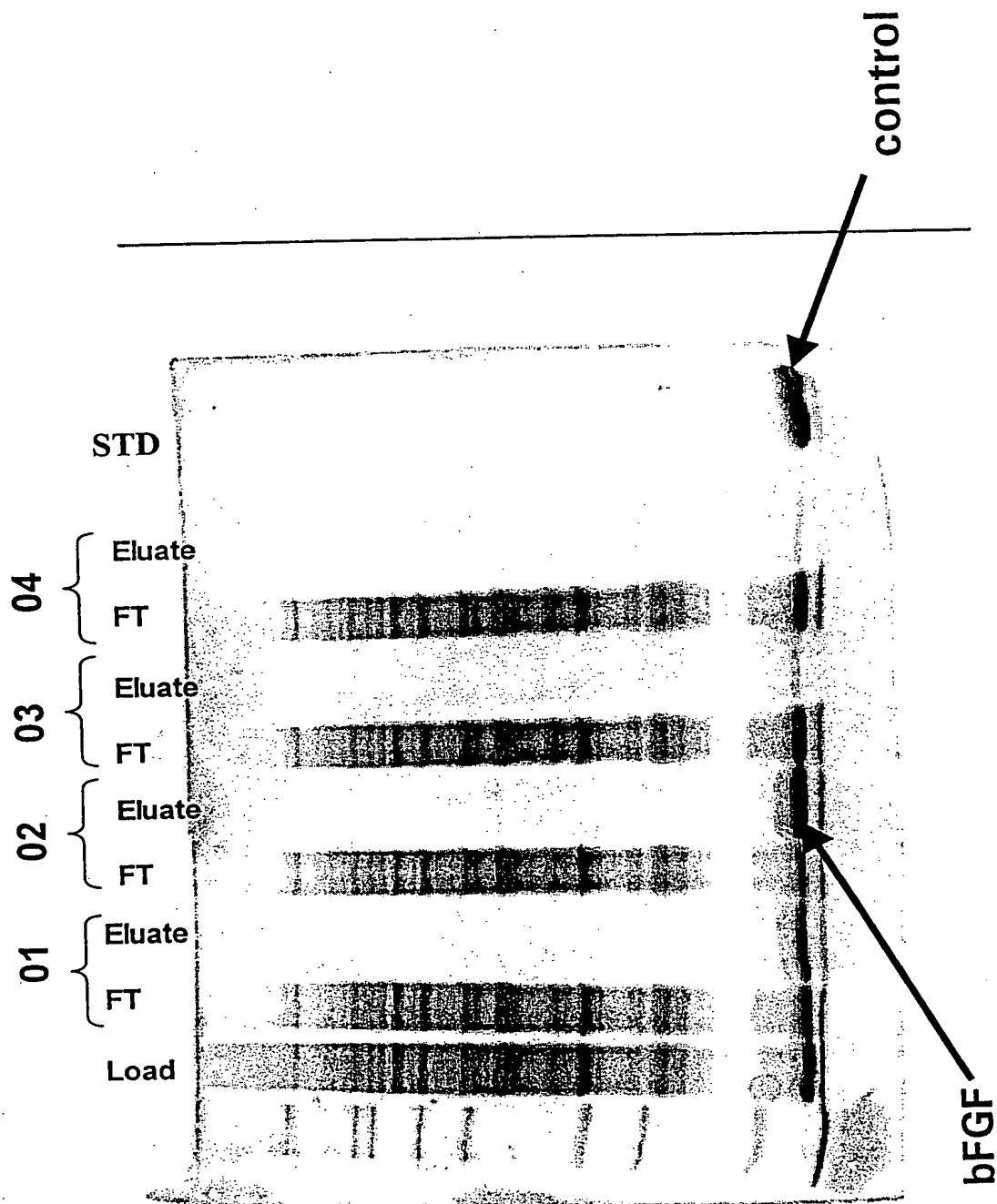


FIG. 10

any other information that may be of use in the investigation of the case.

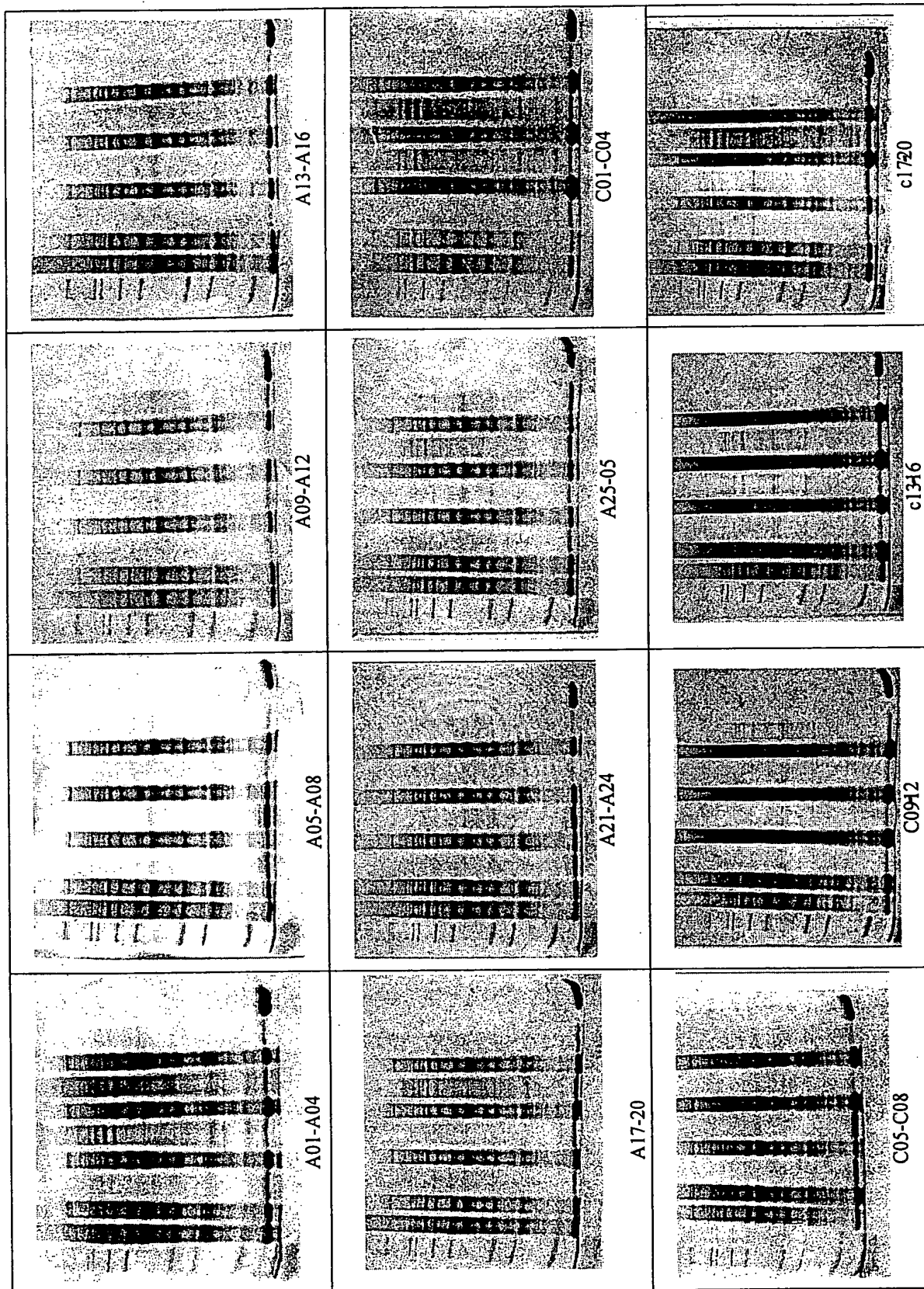


FIG. 11(1)

